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Coalesce Research Group

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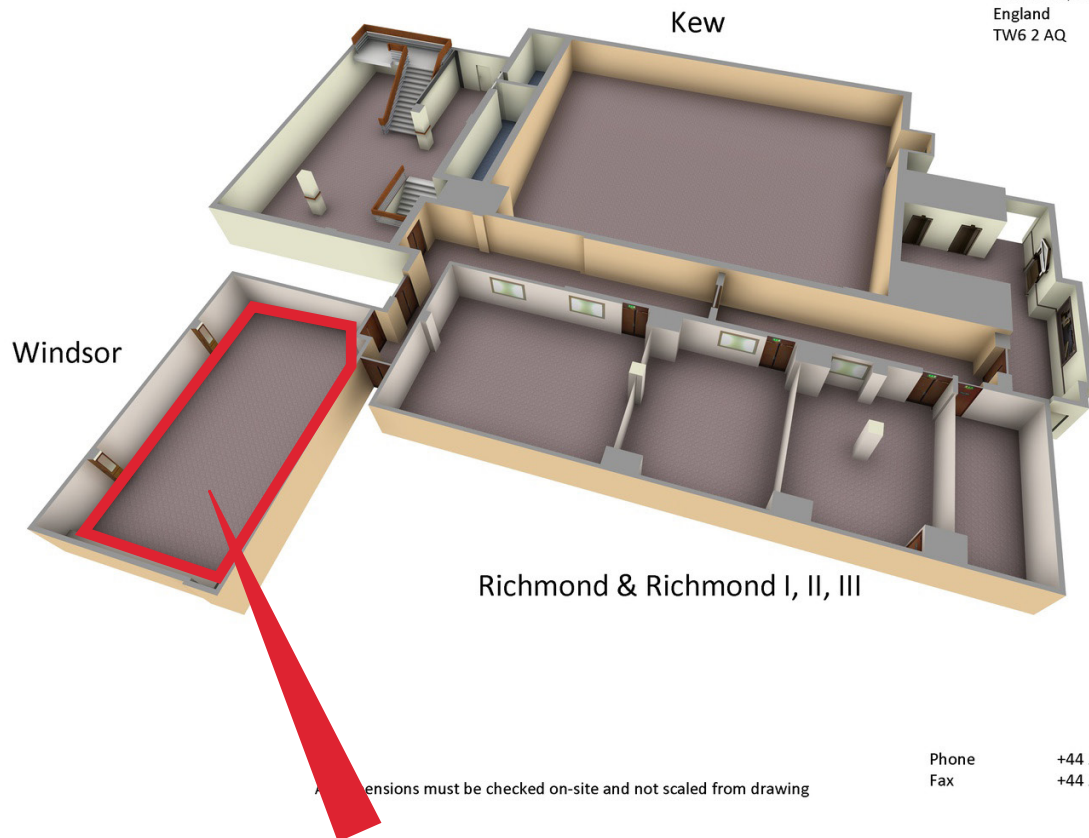
6th International Conference on
**BIOPOLYMERS AND
BIOPLASTICS**

November 14-15, 2024 | London, UK

Floor Map

LOWER GROUND FLOOR

R
RENAISSANCE®
LONDON HEATHROW HOTEL
Bath Road, Hounslow
England
TW6 2AQ



Dimensions must be checked on-site and not scaled from drawing

Phone +44 20 88976363
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Conference Hall



Wi-Fi Details:

Username: Marriott Guest

Password not required - Open Wi-Fi

Scientific Program

6th International Conference on

Biopolymers and Bioplastics

Day 1 - November 14, 2024

Meeting Hall: Windsor Suite

09:30 - 09:45 Registration

09:45 - 10:00 Introduction

Keynote Presentations

- | | |
|-------------|---|
| 10:00-10:40 | Sustainable Production of Bacterial Cellulose from A Microbial Consortium
Ana Paula Testa Pezzin, University of the Joinville Region (UNIVILLE) and Catarinense Federal Institute (IFC), Brazil |
| 10:40-11:20 | Green Reinforcement of Plastic Packaging by Starch Addition: Coupling Computational and Experimental Studies
Pietro Calandra, CNR-ISMN National Council of Research, Italy |

Network & Refreshments (11:20-11:40) @ York Lobby

Oral Presentations

Session Chair **Ana Paula Testa Pezzin, University of the Joinville Region (UNIVILLE) and Catarinense Federal Institute (IFC), Brazil**

Session Chair **Pietro Calandra, CNR-ISMN National Council of Research, Italy**

Sessions: Biopolymers : Sources, Production, Properties and Applications | Biodegradable Polymers | Biocomposite Materials | Biopolymer and Bioplastic Degradation, Recycling and Environmental Fate | Biopolymers & Bioplastics

11:40-12:10	The Evolution of <i>Xanthan gum</i> – <i>Xanthan pruni</i> reaches 30 Years and Innovating Angelita Da Silveira Moreira, Federal University of Pelotas, Brazil
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12:10-12:40	Functionalization of Cellulose Matrices Towards the Preparation of Antibacterial Composites Paola Costanzo, University of Calabria, Italy
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Group Photo (12:40-12:55)

Lunch (12:55-14:00) @ Market garden Restaurant

14:00-14:30	Bioconversion of Sludge Palm Oil as A Feedstock for the Production of Polyhydroxyalkanoates (Pha) for Packaging Applications Nurul Lina Mohamad, Fgv R&D Sdn Bhd, Malaysia
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14:30-15:00	Establishment of Biofuel-Based Supply Chain from Plastic and Agro Waste in using Circular Economy Framework Reema Mohanty, Imperial College London, United Kingdom
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15:00-15:30	A Sustainable Solution to the Introduction of Biodegradable and Compostable Products to Reduce the Pollution in the Enviroment Vinesh Sukhari, Bio Tech Africa, South Africa
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6th International Conference on

Biopolymers and Bioplastics

Video Presentation

VD-001

Polymers as Drug Delivery Systems to Improve The Bioavailability and Anticancer Activity of Tyrosine Kinase Inhibitors against Non-Small Cell Lung Carcinoma

Israa Al-Ani, Al-Ahliyya Amman University, Jordan

Network & Refreshments (16:00-16:30) @ York Lobby

Day 1 Concludes by Certificates Distribution

6th International Conference on

Biopolymers and Bioplastics

Day 2 - November 15, 2024

Hall Name: Windsor Suite

Keynote Presentations

10:00-10:40 High-Efficiency 1 x 8 Optical Splitter Using Multicore Polycarbonate POF Technology
Dror Malka, Institute of Technology (HIT), Israel

Oral Presentation

10:40-11:10 Can We Do Something to Reduce Wastage in Critical Care?
Namrata Maheshwari, Medway Maritime Hospital, United Kingdom

Network & Refreshments (11:10-11:30) @ York Lobby

Poster Presentations

Poster Judge **Vinesh Sukhari, Bio Tech Africa, South Africa**

PP-001 Cell Growth Medium Supplementation with Rice Parboilization Water (Rpw) As A Lab-Scale Strategy for Savings, Increased Production and Diversification of The Quality of Xanthan pruni
Lígia Furlan, Federal University of Pelotas, Brazil

PP-002 Assessment of Polyhydroxyalkanoates Biosynthesis using Glycerin Pitch as Carbon Source
Noor Syazwani Mohd Saufi, Fgv R&D Sdn Bhd, Malaysia

PP-003 Synthesis and Cytocompatibility Study of Bacterial Nanocellulose Biocomposites and Hydroxyapatite With Cationic Substitution by Mg, Cu, Zn and Sr Bioactivated In Simulated Body Fluid for Bone Regeneration
Ana Paula Testa Pezzin, University of the Joinville Region (UNIVILLE) and Catarinense Federal Institute (IFC), Brazil

PP-004 Green Reinforcement of Plastic Packaging by Starch Addition: A Coupled Computational and Experimental Study
Pietro Calandra, CNR-ISMN National Council of Research, Italy

PP-005 Characterization of Blowing Agents for Bio- Eva Foam Production via Extrusion Process
Shameem Akthar Shaik, University of Applied Sciences Kaiserslautern, Germany

PP-006 Cell Growth Optimization of Bacillus Megaterium using CCRD 2² for pH and Sucrose adjustment in the Inoculum Phase to p(3HB) Production
Angelita Da Silveira Moreira, Federal University of Pelotas, Brazil

PP-007 A Circular Approach to Plastic degradation and Biopolymer Production via Microorganisms
Yeonjae Yoo, College of Life Sciences & Biotechnology, Korea University, South Korea

PP-008 Adsorption of Cationic Dye onto Xanthan Biopolymer as Alternative Material for Effluent Treatment
Lígia Furlan, Federal University of Pelotas, Brazil

Lunch (13:00-14:00) @ Market garden Restaurant

Day 2 Concludes followed by Certificates Distribution & Vote of Thanks

Bookmark The Dates

7th International Conference on

Biopolymers and Bioplastics

October 09-10, 2025 | Prague, Czech Republic



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